

```

import oscP5.*;
import netP5.*;

OscP5 oscP5;
NetAddress myRemoteLocation;

float y = 0;
int x = 0;
int newHeight = 0;
int newHeight2 = 0;
int newHeight3 = 0;
int newHeight4 = 0;
int newHeight5 = 0;
float foovalue = 0;
float excvalue = 0;
float exclongvalue = 0;
float medvalue = 0;
float frusvalue = 0;
int framecounter = 0;
int framecounter2 = 0;
int framecounter3 = 0;
int framecounter4 = 0;
int framecounter5 = 0;
boolean stop = false;
boolean stop2 = false;
boolean stop3 = false;
boolean stop4 = false;
boolean stop5 = false;
float [] data1;
float [] data2;
float [] data3;
float [] data4;
float [] data5;
int arrayposition = 0;
int arrayposition2 = 0;
int arrayposition3 = 0;
int arrayposition4 = 0;
int arrayposition5 = 0;

void setup () {
  size (900, 510);
  frameRate(25);
  noStroke();
  initOsc();
  data1 = new float [300];
  data2 = new float [300];
  data3 = new float [300];
  data4 = new float [300];
  data5 = new float [300];
}

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}

void initOsc()
{
    oscP5 = new OscP5(this,8080);

    myRemoteLocation = new NetAddress("127.0.0.1",8080);
    oscP5.plug(this,"foo","/foo");
    oscP5.plug(this, "exc", "/exc");
    oscP5.plug(this, "exclong", "/exclong");
    oscP5.plug(this, "med", "/med");
    oscP5.plug(this, "frus", "/frus");

}

void draw () {
    background(225);

    //graph 1 = /Engadement/Bored = /foo

    x=1;
    for (int i = 0; i < data1.length; i++) {
        newHeight = int(data1[i]);
        rect(x, 105 - newHeight, 2, newHeight);
        fill(37, 185, 166, 255);
        x+=3;
    }

    //graph 2 = /Excitement = /exc

    x=1;
    for(int i = 0; i < data2.length; i++) {
        newHeight2 = int(data2[i]);
        rect(x, 205 - newHeight2, 2, newHeight2);
        fill(255, 153, 0, 255);
        x+=3;
    }

    //graph3 = /Excitementlongterm = /exclong

    x=1;
    for(int i = 0; i < data3.length; i++) {
        newHeight3 = int(data3[i]);
        rect(x, 305 - newHeight3, 2, newHeight3);
        fill(127, 0, 255, 255);
        x+=3;
    }

    //graph4 = /Meditation = /med

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```
x=1;
for(int i = 0; i < data4.length; i++) {
    newHeight4 = int(data4[i]);
    rect(x, 405 - newHeight4, 2, newHeight4);
    fill(0, 255, 3, 255);
    x+=3;
}
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//graph5 = /Frustration = /frus
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```
x=1;
for(int i = 0; i < data5.length; i++) {
    newHeight5 = int(data5[i]);
    rect(x, 505 - newHeight5, 2, newHeight5);
    fill(255, 0, 0, 255);
    x+=3;
}
```

```
if(framecounter==4){
    framecounter=0;
    stop=false;
}else{
    framecounter+=1;
}
```

```
if(framecounter2==4){
    framecounter2=0;
    stop2=false;
}else{
    framecounter2+=1;
}
```

```
if(framecounter3==4){
    framecounter3=0;
    stop3=false;
}else{
    framecounter3+=1;
}
```

```
if(framecounter4==4){
    framecounter4=0;
    stop4=false;
}else{
    framecounter4+=1;
}
```

```

        if(framecounter5==4){
            framecounter5=0;
            stop5=false;
        }else{
            framecounter5+=1;
        }
    }

//Graph1 framecounter

public void foo(float value)
{
    foovalue = value;
    if(framecounter==4 && stop==false && arrayposition<299)
    {
        //put in list
        data1[arrayposition] = foovalue;
        arrayposition+=1;
        stop = true;
    }
    println("/foo" + value);
}

//Graph2 framecounter

public void exc(float value)
{
    excvalue = value;
    if(framecounter2==4 && stop2==false && arrayposition2<299)
    {
        //put in list
        data2[arrayposition2] = excvalue;
        arrayposition2+=1;
        stop2 = true;
    }
    println("/exc" + value);
}

//Graph3 framecounter

public void exclong(float value)
{
    exclongvalue = value;
    if(framecounter3==4 && stop3==false && arrayposition3<299)
    {
        //put in list
        data3[arrayposition3] = exclongvalue;
        arrayposition3+=1;
    }
}

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        stop3 = true;
    }
    println("/exclong" + value);
}

//Graph4 framecounter

public void med(float value)
{
    medvalue = value;
    if(framecounter4==4 && stop4==false && arrayposition4<299)
    {
        //put in list
        data4[arrayposition4] = medvalue;
        arrayposition4+=1;
        stop4 = true;
    }
    println("/med" + value);
}

//Graph5 framecounter

public void frus(float value)
{
    frusvalue = value;
    if(framecounter5==4 && stop5==false && arrayposition5<299)
    {
        //put in list
        data5[arrayposition5] = frusvalue;
        arrayposition5+=1;
        stop5 = true;
    }
    println("/frus" + value);
}

```